

03500.018013



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
YUICHI SEKI, et al. )  
Application No.: 10/789,977 )  
Filed: March 2, 2004 )  
For: FREQUENCY MODULATION )  
APPARATUS AND )  
FREQUENCY MODULATION )  
METHOD : March 29, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56, Applicants respectfully direct the Examiner's attention to the documents listed below and on the enclosed Form PTO-1449. A copy of each foreign document so listed is enclosed.

U.S. Patent 5,822,105  
U.S. Patent 6,310,681  
U.S. Patent 6,560,256  
U.S. Application Publication No. 2004/17598  
Japan 2-282763  
Japan 9-218370  
Japan 11-198435

English language abstracts of the Japanese documents cited above are attached. In addition, it is believed that U.S. Patent 5,822,105 is an English language

counterpart to Japan 9-218370, and that U.S. Patent 6,310,681 is an English language counterpart to Japan 11-198435.

Applicants also respectfully direct the Examiner's attention to co-pending U.S. Application No. 10/649,625, filed August 28, 2003 by Yuichi Seki (Atty. Docket No. 03500.017542), which has been assigned in common with the present application. A copy that co-pending application is also enclosed

It is Applicants' belief that Japanese priority applications for the above U.S. application may have been published before the filing date of the subject application, making the Japanese publications themselves available as prior art under at least § 102(a).

Inasmuch as this application has not yet received a first Office Action on the merits, it is believed that this Information Disclosure Statement is timely. See 37 C.F.R. § 1.97(b)(3).

The Examiner is urged to study this information in its entirety and to form an independent determination of the materiality of the information to the claimed invention. Additionally, the Examiner is requested to indicate that this information has been considered by initialling the appropriate portion of Form PTO-1449.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

  
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ATTY DOCKET NO.

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APPLICATION NO.

10/789,977

APPLICANT

Yuichi Seki, et al.

FILING DATE

March 2, 2004

GROUP

Unknown

O P E JC189  
MAR 3 0 2004  
PATENT & TRADEMARK OFFICE

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE     | NAME          | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|-----------------|----------|---------------|-------|----------|----------------------------|
|                   | 5,822,105       | 10/13/98 | Kodama, et al | 359   | 201      |                            |
|                   | 6,310,681       | 10/30/01 | Taniwaki      | 355   | 55       |                            |
|                   | 6,560,256       | 5/6/03   | Seki, et al   | 372   | 38.02    |                            |
|                   | 2004/17598      | 1/29/04  | Seki, et al   | 359   | 204      |                            |
|                   |                 |          |               |       |          |                            |
|                   |                 |          |               |       |          |                            |
|                   |                 |          |               |       |          |                            |
|                   |                 |          |               |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|--|-----------------|---------|---------|-------|----------|---------------------------------|
|  | 2-282763        | 11/2/90 | Japan   |       |          | Abstract                        |
|  | 9-218370        | 8/19/97 | Japan   |       |          | Abstract                        |
|  | 11-198435       | 7/27/99 | Japan   |       |          | Abstract                        |
|  |                 |         |         |       |          |                                 |
|  |                 |         |         |       |          |                                 |
|  |                 |         |         |       |          |                                 |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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